

ABSTRACT

In an ATM switch provided in a network where an MPLS traffic and an ATM traffic coexist, which of the MPLS traffic and the ATM traffic a received ATM cell belongs to is determined according to the cell, the cell is classified based on the determination result and made to wait, and the cell is read at read intervals based on preset bandwidth allocation rates of both traffics. Also, service classes of a plurality of priorities for the MPLS traffic are provided and the read interval is obtained per priority.